

Product datasheet for **MG213303**

Zscan25 (NM_001081431) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan25 (NM_001081431) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zscan25
Synonyms:	EG666311; Zfp498
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG213303 representing NM_001081431
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGAAAGAGCGTCTGGAGATGGCAGGAGATCCTCAGCAGCAGATGGGTGCTCCAGTGGTCAAACCTGG
 AGAAGGAGCTGCCATGGGGCAGGGGAGGGGAGGACTCGAGTCCCAGGCATTTTCGGTTGAGGTTTCGGCA
 GTTCCGCTACCAAGAGGCTGCTGGTCCCCAGGAAGCCCTCAGGGAGCTCCAAGAGCTCTGTCGCCGGTGG
 CTGAGGCCGGAGCTGCACACCAAAGAGCAGATCCTGGAGCTGCTGGTGGTGGAGCAGTTCCTCACCATCC
 TGCCCCGAGAGTTCTACACCTGGATCCGGGAACACAGCCAGACAGCGGCAAGGCTCTGGTGGCCATGGT
 GGAGGAGCTGATGGGAGCACGGAGGCCAAGGCGGTTCCATGCCATGCCAGGGAGAGCAGCTGGTCACA
 GCCCTTGGCGGAGCATCGTGGCAATCAGGCATCCACCTGGGGCCGGTAGAAGTCAAACCTGAGTGGGGGA
 TACCCAGGGGGAAGGAGTTCAGAGCCTAGGCCAAGCACCACAGAACAGCTGAGCCAGGGCCCTGGAGA
 TGGGACACAGGCCTCCAGGAACAAGCATTGCCATTCTCATGTGGGTCCAGGGCTTCCCTCTGTGAGT
 GCCAGAGACCAAGAGATGGCTGCTGGATTCCCTGCAGCCACGTCCCAGGGTCTGGGGCCATTTAAAGACA
 TGACTTTGGGTTTTCTGAGGAGGAATGGAGGCATGTAGCCCCAGCTCAGATTGACTGCTTTGGAGAATA
 CGTGGACTCACAGGATTGTGGGTCTTCCAGGTGCTGGGAGCAAGGAGAAGGAGGCTAAGCCCCAGCAG
 GAAGACCTGAAGAGAGCATTGTGGGTTGACTTCCGATGGCTTTGGAGAAGCCGACATCCAGATTCCCTG
 GACCAGGGGGCACCTGTGAGCAGGAGCCTGGGAGCTCTGGGACCAGTCTGCCTGGGCTTCTGCTCCTCA
 GCATGGGTACCCTGCCTGACACCCCAACACCCACAATTCTTCTGGAAGCCTTCCAGTGGCCCTGAG
 TGTGAAAAGGCTTTAGTCGGAGCTCCAACCTTGTAGGCACCAGCGGACCCATGAAGAAGAAAAATCCT
 TTGGCTGTGTGGAGTGTGGGAAAGGTTTACCCCTGAGGGAATACCTCACCAGCATCAGAGGACCCACT
 GGGCAAGAGGCCCTATGTGTGTGGCGAGTGTGGAAGACCTTCAGCCAGAGGCATCACCTGGAGGTGCAC
 CAGCGTAGCCACACTGGGGAGAAGCCCTACAAGTCTCAGACTGCTGGAAGGGCTTCAGCCGGAGGCAGC
 ATCTGCTGGTGCATCGCAGGACGCACACAGGGGAGAAGCCCTACACCTGCGAGTGTGGCAAGAGTTTCAG
 CCGGAACGCCAACCTGGCAGTGCACCGCGTGCCATACTGGGGAGAAGCCCTATGGCTGCCAGGTGTGC
 GGCAAGCGCTTCAGCAAGGGGAGCGACTGGTGCACACCAGAGGATCCACACTGGTGAAGCCCTATC
 ACTGCCAGCCTGCGGCCGAGCTTCAACCAGAGGTCCATCCTCAACCGTCATCAGAAGACCCAGCATCG
 CCAGGAGCCTCCGGTGCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG213303 representing NM_001081431
 Red=Cloning site Green=Tags(s)

MLKERLEMAGDPQQMGAPVVKLEKELPWGRGGEDSSPEAFRLRFRQFRYQEAAGPQEALRELQELCRRW
 LRPELHTKEQIILELLVLEQLTILPREFYTWIREHSPDSGKALVAMVEELMGSTEAKAVPCHAQGEQLVT
 ALGGASWQSGIHLGPVEVKPEWGIQEGEVQSLGPSTTEQLSQGPGDGTQAFQEALPILHVGPGPLPSVS
 ARDQEMAAGFLAATSQGLGPFKDMTLGFPEEWRHVAPAQIDCFGEYVDSQDCGVLPGAGSKEKEAKPQQ
 EDLKRAFVGLTSDGFGEADIQIPGGTCEQEPGSSGSLPGLPAPQHGVPPLPDTLNTHNSFWKPFQCP
 CGKGFSSNLRVHRQTHEEEKSFGCVCEGKGFTRREYLTKHQRTHLGKRPYVCGECWKTFSQRHLEVH
 QRSHTGEKPYKSDCWKGFRRQHLLVHRRHTGKPYTCECGKSF SRNANLAVHRRHAHTGKPYGCQVC
 GKRFSKGERLVRHQRIHTGKPYHCPACGRSFNQRSILNRHQKTQHRQEPVQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001081431
ORF Size:	1629 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001081431.2
RefSeq Size:	1996 bp
RefSeq ORF:	1632 bp
Locus ID:	666311
Cytogenetics:	5 G2